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DATE: Tuesday, October 18, 2005

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		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ	
☐	L1	hydroperoxide lyase and (muskmelon or cucumis melo)	10

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Search Results - Record(s) 1 through 10 of 10 returned.

☐ 1. Document ID: US 20040010822 A1

Using default format because multiple data bases are involved.

L1: Entry 1 of 10 File: PGPB Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040010822
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040010822 A1

TITLE: Hydroperoxyde lyases

PUBLICATION-DATE: January 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
McGonigle, Brian	Wilmington	DE	US

US-CL-CURRENT: 800/289; 435/232, 435/320.1, 435/419, 435/69.1, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 2. Document ID: US 20040009476 A9

L1: Entry 2 of 10 File: PGPB Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040009476
PGPUB-FILING-TYPE: corrected
DOCUMENT-IDENTIFIER: US 20040009476 A9

TITLE: Stress-regulated genes of plants, transgenic plants containing same, and methods of use

PUBLICATION-DATE: January 15, 2004

PRIOR-PUBLICATION:

DOC-ID	DATE
US 0160378 A1	October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Harper, Jeffrey F.	Del Mar	CA	US
Kreps, Joel	Carlsbad	CA	US

Wang, Xun	San Diego	CA	US
Zhu, Tong	San Diego	CA	US

US-CL-CURRENT: 435/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 3. Document ID: US 20040002105 A1

L1: Entry 3 of 10 File: PGPB Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002105
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040002105 A1

TITLE: Methods of identifying genes for the manipulation of triterpene saponins

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dixon, Richard A.	Ardmore	OK	US
Achnine, Lahoucine	Ardmore	OK	US
Suzuki, Hideyuki	Kisarazu-shi	OK	JP
He, Xian-Zhi	Ardmore	OK	US
Wang, Liangjiang	Ardmore		US

US-CL-CURRENT: 435/6; 435/7.2, 800/278

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 4. Document ID: US 20020160378 A1

L1: Entry 4 of 10 File: PGPB Oct 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020160378
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020160378 A1

TITLE: Stress-regulated genes of plants, transgenic plants containing same, and methods of use

PUBLICATION-DATE: October 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Harper, Jeffrey F.	Del Mar	CA	US
Kreps, Joel	Carlsbad	CA	US
Wang, Xun	San Diego	CA	US
Zhu, Tong	San Diego	CA	US

US-CL-CURRENT: 435/6

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 5. Document ID: US 20020098570 A1

L1: Entry 5 of 10 File: PGPB Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020098570
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020098570 A1

TITLE: Muskmelon (Cucumis melo) hydroperoxide lyase and uses thereof

PUBLICATION-DATE: July 25, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Brash, Alan	Brentwood	TN	US
Tijet, Nathalie	Tucson	AZ	US
Whitehead, Ian M.	Singapore		SG

US-CL-CURRENT: 435/232; 435/320.1, 435/410, 435/69.1, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

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☐ 6. Document ID: US 6274358 B1

L1: Entry 6 of 10 File: USPT Aug 14, 2001

US-PAT-NO: 6274358
DOCUMENT-IDENTIFIER: US 6274358 B1

TITLE: Method for providing green note compounds

DATE-ISSUED: August 14, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Holtz; Richard Barry	Vacaville	CA	95688	
McCulloch; Michael Jay	Vacaville	CA	95687	
Garger; Stephen John	Vacaville	CA	95688	
Teague; Richard King	Merry Hill	NC	27957	
Phillips; Harriet Flannery	Edenton	NC	27932	

US-CL-CURRENT: 435/157; 424/725, 424/774, 426/650, 426/655, 435/155

ABSTRACT:

Green note compound, such as cis-3-hexen-1-ol, is provided by subjecting linolenic

acid and a fresh watermelon foliage to shearing in the presence of an aqueous liquid and yeast. Enzymes within the plant material (i.e., lipoxygenase and hydroperoxide lyase) and the yeast act to cause the linolenic acid to be converted to green note alcohol at a relatively high yield. Green note compound can be provided naturally using a continuous or batch process.

20 Claims, 0 Drawing figures
Exemplary Claim Number: 1

☐ 7. Document ID: US 6271018 B1

L1: Entry 7 of 10 File: USPT Aug 7, 2001

US-PAT-NO: 6271018
DOCUMENT-IDENTIFIER: US 6271018 B1

TITLE: Muskmelon (Cucumis melo) hydroperoxide lyase and uses thereof

DATE-ISSUED: August 7, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brash; Alan	Brentwood	TN		
Tijet; Nathalie	Tucson	AZ		
Whitehead; Ian M.	Singapore			SG

US-CL-CURRENT: 435/252.3; 435/232, 435/252.31, 435/252.32, 435/252.33, 435/254.2, 435/320.1, 435/325, 435/348, 435/419, 536/23.2

ABSTRACT:

The present invention provides a fatty acid lyase, wherein the activity of the lyase for 9-hydroperoxide substrates is greater than the activity for 13-hydroperoxide substrates and wherein K.sub.m and V.sub.max of the lyase for 9-hydroperoxylinolenic acid are greater than K.sub.m and V.sub.max of the lyase for 9-hydroperoxylinoleic acid. More particularly, the invention provides a lyase present in melon (Cucumis melo). The invention also provides a nucleic acid encoding the lyase, vectors, and expression systems with which the recombinant lyase can be obtained. The invention also provides methods of using the lyase of the invention, including methods of cleaving 9-hydroperoxylinoleic acid, 9-hydroperoxylinolenic acid, 13-hydroperoxylinoleic acid, and 13-hydroperoxylinolenic acid. Also, the invention provides a method of preparing 3-(Z)-noncnal, (3Z,6Z)-nonadienal, 2-(E)-nonenal, (2E,6Z)-nonadienal, or their corresponding alcohols and a method of preparing n-hexanal, 3-(Z)-hexen-1-al, 2-(E)-hexen-1-al, or their corresponding alcohols using the lyase of the present invention.

11 Claims, 13 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 8. Document ID: US 6150145 A

L1: Entry 8 of 10 File: USPT Nov 21, 2000

US-PAT-NO: 6150145
DOCUMENT-IDENTIFIER: US 6150145 A

TITLE: Process for the production of degradation products of fatty acids

DATE-ISSUED: November 21, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hausler; Alex	Madeira	OH		
Ehret; Charles	Wetzikon			CH
Binggeli; Eva	Pfaffhausen			CH

US-CL-CURRENT: 435/147; 435/155, 568/449, 568/910

ABSTRACT:

Fatty acid degradation products are over-produced by oxidative biochemical degradation of a plant biomass containing unsaturated fatty acids and enzymes for the degradation in the presence of additional unsaturated fatty acids. These degradation products are natural flavour and fragrance ingredients.

16 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De

☐ 9. Document ID: US 5695973 A

L1: Entry 9 of 10 File: USPT Dec 9, 1997

US-PAT-NO: 5695973
DOCUMENT-IDENTIFIER: US 5695973 A

TITLE: Isolated alcohol dehydrogenase producing mold

DATE-ISSUED: December 9, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Subbiah; Ven	Edenton	NC		

US-CL-CURRENT: 435/155; 426/52, 435/134, 435/254.1, 435/911

ABSTRACT:

The present invention relates to a microorganism capable of producing alcohol dehydrogenase (ADH). The microorganism of the invention is a non-yeast mold obtained from the kale plant. In a preferred embodiment of the invention, the mold is Geotrichium candidum IMI 369326. The microorganism of the invention is particularly useful in the green note processing industry as a substitute for yeast. For example, the microorganism is useful as a substitute for yeast in a process of converting a leaf aldehyde to a leaf alcohol.

11 Claims, 0 Drawing figures
Exemplary Claim Number: 1

☐ 10. Document ID: JP 2003528613 W, US 6271018 B1, WO 200173075 A2, EP 1268819 A2

L1: Entry 10 of 10 File: DWPI Sep 30, 2003

DERWENT-ACC-NO: 2001-520311
DERWENT-WEEK: 200365

TITLE: Isolated nucleic acid for the production of flavors and aromas, encodes fatty acid hydroperoxide lyase present in melon and having activity for both 9-hydroperoxide and 13-hydroperoxide substrates

INVENTOR: BRASH, A R; TIJET, N ; WHITEHEAD, I M ; BRASH, A

PRIORITY-DATA: 2000US-0537357 (March 29, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2003528613 W	September 30, 2003		088	C12N015/09
US 6271018 B1	August 7, 2001		050	C12N001/20
WO 200173075 A2	October 4, 2001	E	000	C12N015/60
EP 1268819 A2	January 2, 2003	E	000	C12N015/60

INT-CL (IPC): C07 H 21/04; C12 N 1/15; C12 N 1/19; C12 N 1/20; C12 N 1/21; C12 N 5/10; C12 N 9/88; C12 N 15/00; C12 N 15/09; C12 N 15/60; C12 N 15/63; C12 P 7/04; C12 P 7/24; C12 P 7/42; C12 Q 1/527

ABSTRACTED-PUB-NO: US 6271018B
BASIC-ABSTRACT:

NOVELTY - An isolated nucleic acid encoding a fatty acid hydroperoxide lyase present in melon, is new. The lyase has activity for both 9-hydroperoxide substrates and 13-hydroperoxide substrates, where Km and Vmax of the lyase for 9-hydroxyperoxylinolenic acid are greater than that for the 9-hydroxyperoxylinoleic acid.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(1) a plasmid vector comprising a promoter functionally linked to the inventive nucleic acid; and

(2) a cell containing an exogeneous nucleic acid comprising the inventive nucleic acid.

USE - For the production of flavors and aromas.

ADVANTAGE - The invention provides purified and recombinant muskmelon 9-HPL nucleic acids, thus avoiding the requirement of large fresh fruits, the desired enzyme activities are not dilute in the sources employed, and the large-volume batch process.

Terms	Documents
hydroperoxide lyase and (muskmelon or cucumis melo)	10